IFW

Docket No.: M4065.0488/P488-A
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
John Moore et al.

Application No.: 10/680,161 Confirmation No.: 5800

Filed: October 8, 2003 Art Unit: 2818

For: PCRAM REWRITE PREVENTION Examiner: Not Yet Assigned

## INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Those patent(s) or publication(s) which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office in a prior application number 10/035,197, filed January 4, 2002 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0488/P488-A. A duplicate copy of this paper is enclosed.

Dated: June 9, 2004

Respectfully submitted,

By_____

Thomas J. D'Amico
Registration No.: 28,371
Christopher S. Chow
Registration No.: 46,493
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP
2101 L Street NW
Washington, DC 20037-1526
(202) 785-9700
Attorneys for Applicant

OIPE JC98 JUN 09 2004 PATENT & TRADEMARK OFFICE

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet 1 of 3

| *Complete if Known* | |
|---|---|
| Application Number | 10/680,161 |
| Filing Date | October 8, 2003 |
| First Named Inventor | John Moore et al. |
| Art Unit | 2818 |
| Examiner Name | Not Yet Assigned |
| Attorney Docket Number | M4065.0488/P488-A |

## U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No.[1] | Document Number Number-Kind Code[2] (*if known*) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---|---|---|---|---|---|
| ** | A | US 2004/0035401 | 2/2004 | Ramachandran et al. | |
| ** | B | US 2003/0212724 | 11/2003 | Ovshinsky et al. | |
| ** | C | US 2003/0048744 | 3/2003 | Ovshinsky et al. | |
| ** | D | US 2003/0212725 | 11/2003 | Ovshinsky et al. | |
| ** | E | US RE 37,259E | 7/2001 | Ovshinsky | |
| ** | F | US 3,271,591 | 9/1966 | Ovshinsky | |
| ** | G | US 3,961,314 | 6/1976 | Klose et al. | |
| ** | H | US 3,966,317 | 6/1976 | Wacks et al. | |
| ** | I | US 3,983,542 | 11/1976 | Ovshinsky | |
| ** | J | US 3,988,720 | 10/1976 | Ovshinsky | |
| ** | K | US 4,177,474 | 12/1979 | Ovshinsky | |
| ** | L | US 4,267,261 | 5/1981 | Hallman et al. | |
| ** | M | US 4,597,162 | 7/1986 | Johnson et al. | |
| ** | N | US 4,608,296 | 8/1986 | Keem et al. | |
| ** | O | US 4,637,895 | 1/1987 | Ovshinsky et al. | |
| ** | P | US 4,646,266 | 2/1987 | Ovshinsky et al. | |
| ** | Q | US 4,664,939 | 5/1987 | Ovshinsky | |
| ** | R | US 4,668,968 | 5/1987 | Ovshinsky et al. | |
| ** | S | US 4,670,763 | 6/1987 | Ovshinsky et al. | |
| ** | T | US 4,673,957 | 6/1987 | Ovshinsky et al. | |
| ** | U | US 4,678,679 | 7/1987 | Ovshinsky | |
| ** | V | US 4,696,758 | 9/1987 | Ovshinsky et al. | |
| ** | W | US 4,698,234 | 10/1987 | Ovshinsky et al. | |
| ** | X | US 4,710,899 | 12/1987 | Young et al. | |
| ** | Y | US 4,728,406 | 3/1988 | Banerjee et al. | |
| ** | Z | US 4,737,379 | 4/1988 | Hudgens et al. | |
| ** | A1 | US 4,766,471 | 8/1988 | Ovshinsky et al. | |
| ** | B1 | US 4,769,338 | 9/1988 | Ovshinsky et al. | |
| ** | C1 | US 4,775,425 | 10/1988 | Guha et al. | |
| ** | D1 | US 4,788,594 | 11/1988 | Ovshinsky et al. | |
| ** | E1 | US 4,809,044 | 2/1989 | Pryor et al. | |
| ** | F1 | US 4,818,717 | 4/1989 | Johnson et al. | |
| ** | G1 | US 4,843,443 | 6/1989 | Ovshinsky et al. | |
| ** | H1 | US 4,845,533 | 7/1989 | Pryor et al. | |
| ** | I1 | US 4,853,785 | 8/1989 | Ovshinsky et al. | |
| ** | J1 | US 4,891,330 | 1/1990 | Guha et al. | |
| ** | K1 | US 5,128,099 | 7/1992 | Strand et al. | |
| ** | L1 | US 5,159,661 | 10/1992 | Ovshinsky et al. | |
| ** | M1 | US 5,166,758 | 11/1992 | Ovshinsky et al. | |
| ** | N1 | US 5,177,567 | 1/1993 | Klersy et al. | |
| ** | O1 | US 5,296,716 | 3/1994 | Ovshinsky et al. | |
| ** | P1 | US 5,335,219 | 8/1994 | Ovshinsky et al. | |
| ** | Q1 | US 5,359,205 | 10/1994 | Ovshinsky | |
| ** | R1 | US 5,341,328 | 8/1994 | Ovshinsky et al. | |
| ** | S1 | US 5,406,509 | 4/1995 | Ovshinsky et al. | |

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet 2 of 3

| *Complete if Known* | |
|---|---|
| Application Number | 10/680,161 |
| Filing Date | October 8, 2003 |
| First Named Inventor | John Moore et al. |
| Art Unit | 2818 |
| Examiner Name | Not Yet Assigned |
| Attorney Docket Number | M4065.0488/P488-A |

| | | | | | |
|---|---|---|---|---|---|
| ** | T1 | US 5,414,271 | 5/1995 | Ovshinsky et al. | |
| ** | U1 | US 5,534,711 | 7/1996 | Ovshinsky et al. | |
| ** | V1 | US 5,534,712 | 7/1996 | Ovshinsky et al. | |
| ** | W1 | US 5,536,947 | 7/1996 | Klersy et al. | |
| ** | X1 | US 5,543,737 | 8/1996 | Ovshinsky | |
| ** | Y1 | US 5,591,501 | 1/1997 | Ovshinsky et al. | |
| ** | Z1 | US 5,596,522 | 1/1997 | Ovshinsky et al. | |
| ** | A2 | US 5,687,112 | 11/1997 | Ovshinsky | |
| ** | B2 | US 5,694,054 | 12/1997 | Ovshinsky et al. | |
| ** | C2 | US 5,714,768 | 2/1998 | Ovshinsky et al. | |
| ** | D2 | US 5,825,046 | 10/1998 | Czubatyj et al. | |
| ** | E2 | US 5,912,839 | 6/1999 | Ovshinsky et al. | |
| ** | F2 | US 5,933,365 | 8/1999 | Klersy et al. | |
| ** | G2 | US 6,011,757 | 1/2000 | Ovshinsky | |
| ** | H2 | US 6,087,674 | 7/2000 | Ovshinsky et al. | |
| ** | I2 | US 6,141,241 | 10/2000 | Ovshinsky et al. | |
| ** | J2 | US 6,339,544 | 1/2002 | Chiang et al. | |
| ** | K2 | US 6,404,665 | 6/2002 | Lowery et al. | |
| ** | L2 | US 6,429,064 | 8/2002 | Wicker | |
| ** | M2 | US 6,437,383 | 8/2002 | Xu | |
| ** | N2 | US 6,462,984 | 10/2002 | Xu et al. | |
| ** | O2 | US 6,480,438 | 11/2002 | Park | |
| ** | P2 | US 6,487,113 | 11/2002 | Park et al. | |
| ** | Q2 | US 6,501,111 | 12/2002 | Lowery | |
| ** | R2 | US 6,507,061 | 1/2003 | Hudgens et al. | |
| ** | S2 | US 6,511,862 | 1/2003 | Hudgens et al. | |
| ** | T2 | US 6,511,867 | 1/2003 | Lowery et al. | |
| ** | U2 | US 6,512,241 | 1/2003 | Lai | |
| ** | V2 | US 6,514,805 | 2/2003 | Xu et al. | |
| ** | W2 | US 6,531,373 | 3/2003 | Gill et al. | |
| ** | X2 | US 6,534,781 | 3/2003 | Dennison | |
| ** | Y2 | US 6,545,287 | 4/2003 | Chiang | |
| ** | Z2 | US 6,545,907 | 4/2003 | Lowery et al. | |
| ** | A3 | US 6,555,860 | 4/2003 | Lowery et al. | |
| ** | B3 | US 6,563,164 | 5/2003 | Lowery et al. | |
| ** | C3 | US 6,566,700 | 5/2003 | Xu | |
| ** | D3 | US 6,567,293 | 5/2003 | Lowery et al. | |
| ** | E3 | US 6,569,705 | 5/2003 | Chiang et al. | |
| ** | F3 | US 6,570,784 | 5/2003 | Lowery | |
| ** | G3 | US 6,576,921 | 6/2003 | Lowery | |
| ** | H3 | US 6,586,761 | 7/2003 | Lowery | |
| ** | I3 | US 6,589,714 | 7/2003 | Maimon et al. | |
| ** | J3 | US 6,590,807 | 7/2003 | Lowery | |
| ** | K3 | US 6,593,176 | 7/2003 | Dennison | |
| ** | L3 | US 6,597,009 | 7/2003 | Wicker | |
| ** | M3 | US 6,605,527 | 8/2003 | Dennison et al. | |
| ** | N3 | US 6,613,604 | 9/2003 | Maimon et al. | |
| ** | O3 | US 6,621,095 | 9/2003 | Chiang et al. | |
| ** | P3 | US 6,625,054 | 9/2003 | Lowery et al. | |
| ** | Q3 | US 6,642,102 | 11/2003 | Xu | |

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet 3 of 3

| *Complete if Known* | |
|---|---|
| Application Number | 10/680,161 |
| Filing Date | October 8, 2003 |
| First Named Inventor | John Moore et al. |
| Art Unit | 2818 |
| Examiner Name | Not Yet Assigned |
| Attorney Docket Number | M4065.0488/P488-A |

| | | | | | |
|---|---|---|---|---|---|
| ** | R3 | US 6,646,297 | 11/2003 | Dennison | |
| ** | S3 | US 6,649,928 | 11/2003 | Dennison | |
| ** | T3 | US 6,667,900 | 12/2003 | Lowery et al. | |
| ** | U3 | US 6,671,710 | 12/2003 | Ovshinsky et al. | |
| ** | V3 | US 6,673,700 | 1/2004 | Dennison et al. | |
| ** | W3 | US 6,674,115 | 1/2004 | Hudgens et al. | |
| ** | X3 | US 6,687,427 | 2/2004 | Ramalingam et al. | |
| ** | Y3 | US 6,690,026 | 2/2004 | Peterson | |
| ** | Z3 | US 6,696,355 | 2/2004 | Dennison | |
| ** | A4 | US 6,687,153 | 2/2004 | Lowery | |
| ** | B4 | US 6,707,712 | 3/2004 | Lowery | |
| ** | C4 | US 6,714,954 | 3/2004 | Ovshinsky et al. | |
| ** | D4 | 5,883,827 | 03/16/1999 | Morgan | |
| ** | E4 | 6,462,981 | 10/08/2002 | Numata et al. | |
| ** | F4 | 6,314,014 | 11/06/2001 | Lowrey et al. | |
| | | | | | |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No.[1] | Foreign Patent Document: Country Code[3]-Number[4]-Kind Code[5] *(if known)* | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T[6] |
|---|---|---|---|---|---|---|
| | | | | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

## NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No.[1] | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T[2] |
|---|---|---|---|
| ** | A | YOJI KAWAMOTO et al., "Ionic Conduction in $As_2S_3$-$Ag_2S$, $GeS_2$-$GeS_2$-GeS-$Ag_2S$ and $P_2S_5$-$Ag_2S$ Glasses," Journal of Non-Crystalline Solids 20 (1976) 393-404. | |
| ** | B | PCT Written Opinion dated 8/20/03. | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1]Applicant's unique citation designation number (optional). [2]Applicant is to place a check mark here if English language Translation is attached.